Closing Report

IEEE P802.3ca 100G-EPON

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Agenda

- How many days at next meeting?
  - Ask for 3 days, avoid Sunday
- Creation of Ad Hoc
- Work plans

Creation of Tech Coordination Ad Hoc

- At Macau meeting:
  - Intend to charter an ad hoc to identify decisions, dependencies, coordinate contributions, and move the Task Force forward in a programmatic manner
    - Jorge Salinger, Comcast, will Chair this ad hoc

Creation of Tech Coordination Ad Hoc

- Email announcement to follow:
- Technology Coordination Ad Hoc
  - Chair: Jorge Salinger (jorge_salinger@xxxxxxxxxxxx)
- The purpose of this Ad Hoc will be as follows:
  - identify decisions, dependencies, coordinate contributions, and move the Task Force forward in a more programmatic manner
- Please expect the Ad Hoc Chair to announce meeting details on the email reflector when planned.
- Each Ad Hoc is an official IEEE activity and may use the IEEE 802.3ca email reflector. Ad Hocs may meet at any time during their chartered period, including but not limited to email, web conferencing, and face to face meetings. The intent of an Ad Hoc is to permit developing consensus during and between Task Force meetings for bringing reports, recommendations, etc. back to the Task Force for consideration.

Work Plans

- Work areas need more detail
  - MPCP: Kramer
  - RS: Remein
  - PCS: Hajduczenia
  - PMD: Effenberger
- Jorge Salinger to coordinate as part of Technology Coordination Ad Hoc
- This will lead to a more enlightenment and a more accurate timeline

Identified Action Items

- Simulation results for four-wave mixing – Eugene, Phil, Dekun
- FEC-aware channel bonding – Duane
- Identify pros/cons for 1+3 and 1+4 architectures –

Decisions to make next meeting

- System architecture: 1+3 or 1+4
- Downstream state diagrams
- Wavelength plan
  - Power budget dependencies:
    - "unified" receiver sensitivity
    - EML and DML AVPmin and ER
    - EML and DML TDP vs. wavelength
    - (this will quantify our need for additional FEC gain)
  - Wavelength plan dependencies:
    - DML dispersion tolerance at 1270 nm
    - Possibility of using uncooled DMLs (at some point)
    - TDM vs. WDM co-existence with 10G EPON
    - Insertion loss and cost of filters if 50/100G wavelengths also in O-band
    - Technical feasibility evaluation of DWDM wavelengths in O-band (Dekun)

Thank you!